

Application No. : 09/808,469
Filed : March 14, 2001

APPENDIX III

Copyright © 2000-2001 ARC International plc. All rights reserved.

Application No. : 09/808,469
Filed : March 14, 2001

Application No. : 09/808,469
Filed : March 14, 2001

```
+  
5 $1 == "bgt" || $1 == "ble" || $1 == "bge" || $1 == "blt" +  
| if ($2 !~ /__epilog_.*/) +  
| bgt++  
| nextc()  
| } else {  
| nextt()  
| +  
10 $1 == "bhi" || $1 == "bls" || $1 == "bhs" || $1 == "ble" +  
| if ($2 !~ /__epilog_.*/) +  
| bhi++  
| nextt()  
| } else {  
| nextt()  
| +  
15 $1 == "bpl" || $1 == "bmi" +  
| if ($2 !~ /__epilog_.*/) +  
| bpl++  
| nextt()  
| } else {  
| nextt()  
| +  
25 $1 == "jeq" || $1 == "jne" +  
| if ($2 ~ "blink") +  
| beq++  
| nextc()  
30 | +  
| nextt()  
| +  
35 $1 == "jgt" || $1 == "jle" || $1 == "jge" || $1 == "jlt" +  
| if ($2 ~ "blink") +  
| bgt++  
| nextc()  
| +  
40 $1 == "j" {  
| if ($2 ~ "blink") +  
| jblink++  
| nextc()  
| +  
45 | if ($2 ~ reg) {  
| jr++  
| nextc()  
| +  
50 | nextt()  
| +  
55 $1 == "j1" {  
| if ($2 ~ reg) {  
| j1r++  
| nextc()  
| +  
| nextt()  
| +  
60 $1 == "ld" {  
| if ($2 ~ reg) {  
| ld++  
| if ($3 == "%fp,") {  
| ldfpa[$4]++  
| ldfp++  
| if (($4+0) >= -32 && ($4+0) <= -4) {  
| ldfp32++  
| nextc()  
| +
```

```
5      nxt()
      +
      if ($3 == "%sp,") {
#      ldspa[$4]++
#      ldsp++
      +
      if ($3 == "%gp,") {
#      ldgp++
      +
      10    nxtc()
      +
      if ($3 ~ reg) {
#      ldra[$4]++
#      ldr++
      +
      if ($3 ~ /\}/ || ($4 ~ /[^0-9]/ && ($4+0) >= 0 && ($4+0) < 64)) {
#      ldr64++
#      nxtc()
      +
      if (pete) {
#      if ($3 ~ /\}/ || ($3 ~ reg01 && ($4 ~ /[^0-9]/ && ($4+0) >= 0 && ($4+0) < 128))) {
#      ldr64p++
#      nxtc()
      +
      if ($3 ~ /\}/ || ($3 ~ reg23 && ($4 ~ /[^0-9]/ && ($4+0) >= 0 && ($4+0) < 64))) {
#      ldr64p++
#      nxtc()
      +
      if ($3 ~ /\}/ || ($3 ~ reg1316 && ($4 ~ /[^0-9]/ && ($4+0) >= 0 && ($4+0) < 32))) {
#      ldr64p++
#      nxtc()
      +
      if ($4 ~ reg) {
#      ldabc++
#      nxtc()
      +
      35    nxtc()
      +
      if ($1 == "ldw") {
#      if ($2 ~ reg) {
#      ldw++
      +
      if ($3 == "%fp,") {
#      ldwfp++
#      if (( $4+0) >= -32 && ($4+0) <= -4) {
#      ldwfp32++
#      nxtc()
      +
      40    nxtc()
      +
      if ($3 == "%sp,") {
#      ldwsp++
#      nxtc()
      +
      if ($3 == "%gp,") {
#      ldwgp++
#      nxtc()
      +
      if ($3 ~ reg) {
#      ldwr++
#      if ($3 ~ /\}/ || ($4 ~ /[^0-9]/ && ($4+0) >= 0 && ($4+0) < 32)) {
#      ldwr32++
#      nxtc()
      +
      55    +
      60    +
      65    +
```

Application No. : 09/808,469
Filed : March 14, 2001

```
5      if ($4 ~ reg) +  
6      ldbabe++  
7      nxt()  
8      +  
9      nxt()  
10     +  
11     $1 == "ldb" +  
12     if ($2 ~ reg) +  
13     ldb++  
14     if ($3 == "[%fp,") +  
15     ldbfp++  
16     if ((($4+0) >= 32 && ($4+0) <= 4) +  
17     ldbfp32++  
18     nxt()  
19     +  
20     nxt()  
21     +  
22     if ($3 == "[%sp,") +  
23     ldbsp++  
24     nxt()  
25     +  
26     if ($3 == "[%gp,") +  
27     ldbgp++  
28     nxt()  
29     +  
30     if ($3 ~ reg) +  
31     ldbbr++  
32     if ($3 ~ /\]/ || ($4 ~ /[^0-9]/ && ($4+0) >= 0 && ($4+0) < 16)) +  
33     ldbbr16++  
34     nxt()  
35     +  
36     if ($4 ~ reg) +  
37     ldbabe++  
38     nxt()  
39     +  
40     nxt()  
41     +  
42     nxt()  
43     +  
44     /st.%blink, \[%sp, 4\]/ +  
45     stblink++  
46     nxt()  
47     +  
48     $1 == "st" +  
49     if ($2 ~ reg) +  
50     st++  
51     if ($3 == "[%fp,") +  
52     # stfp[$4]++  
53     stfp++  
54     if ((($4+0) >= 32 && ($4+0) <= 4) +  
55     stfp32++  
56     nxt()  
57     +  
58     nxt()  
59     +  
60     if ($3 == "[%sp,") +  
61     # stsp[$4]++  
62     stsp++  
63     nxt()  
64     +  
65     if ($3 == "[%gp,") +  
66     stgp++  
67     nxt()
```

Application No. : 09/808,469
Filed : March 14, 2001

```
5      if ($3 ~ reg) +  
#      stra[$4]++  
      str++  
      if ($3 ~ /\$/) || ($4 ~ /[^0-9]/ && ($4+0) >= 0 && ($4+0) < 64) +  
      str64++  
      nxtc()  
      +  
      nxt()  
      +  
      +  
10     +  
      +  
      +  
      +  
15     $1 == "stw" +  
      if ($2 ~ reg) +  
      stw++  
      if ($3 == "%fp,") +  
#      stwfpfa[$4]++  
      stwfp++  
20     if (($4+0) >= -32 && ($4+0) < -4) +  
      stwfp32++  
      nxt()  
      +  
      +  
25     +  
      if ($3 == "%sp,") +  
#      stwspa[$4]++  
      stwsp++  
      nxt()  
30     +  
      if ($3 == "%gp,") +  
      stwgp++  
      nxt()  
      +  
35     if ($3 ~ reg) +  
#      stwra[$4]++  
      stwri++  
      if ($3 ~ /\$/) || ($4 ~ /[^0-9]/ && ($4+0) >= 0 && ($4+0) < 16) +  
      stwrl16++  
40     nxtc()  
      +  
      +  
45     +  
      +  
      +  
50     $1 == "stb" +  
      if ($2 ~ reg) +  
      stb++  
      if ($3 == "%fp,") +  
#      stbfpfa[$4]++  
      stbfp++  
      if (($4+0) >= -32 && ($4+0) < -4) +  
      stbfp32++  
55     nxt()  
      +  
      +  
60     +  
      if ($3 == "%sp,") +  
#      stbspa[$4]++  
      stbsp++  
      nxt()  
      +  
65     +  
      if ($3 == "%gp,") +  
      stbgp++  
      nxt()  
      +
```

Application No. : 09/808,469
Filed : March 14, 2001

```
5      if ($3 ~ reg) {  
#      stbra[$4]++  
#      stbr++  
#      if ($3 ~ /\ \ / || ($4 ~ /[^0-9]/ && ($4+0) >= 0 && ($4+0) < 8)) +  
#      stbr8++  
#      nxte()  
#      +  
#      nxte()  
#      +  
#      nxte()  
#      +  
#      $1 == "mov.f" +  
10     if ($2 == "0," && $3 ~ reg) {  
#      movf0r++  
#      nxte()  
#      if ($2 == "0," && $3 ~ regh) {  
#      movf0h++  
#      nxte()  
#      +  
#      nxte()  
#      +  
#      $1 == "mov" {  
#      if ($3 ~ /[^-?0-9]/) +  
20     movi++  
#      movia[$3]++  
#      if ($2 ~ reg) +  
#      if ($3 >= 0 && $3 < 64) +  
#      movi64++  
30     nxte()  
#      +  
#      if (pete) {  
#      if ($2 ~ reg01 && $3 >= 0 && $3 < 128) +  
#      movi64p++  
#      nxte()  
#      +  
#      if ($2 ~ reg23 && $3 >= 0 && $3 < 64) +  
#      movi64p++  
#      nxte()  
#      +  
#      if ($2 ~ reg1316 && $3 >= 0 && $3 < 32) +  
#      movi64p++  
#      nxte()  
#      +  
#      if ($3 < -256 || $3 > 255) +  
#      ldrpet++  
#      nxte()  
#      +  
#      nxte()  
#      +  
#      if ($3 ~ reg) {  
#      if ($2 ~ reg) {  
55     movr++  
#      nxte()  
#      +  
#      if ($2 ~ reg) {  
#      if ($3 ~ regh) {  
#      movrh++  
#      nxte()  
#      +  
#      if ($2 ~ regh) {  
#      if ($3 ~ reg) {  
65     movhr++
```

```
    ---nxtc()
    +
    +
5   if ($3 !~ /% / && $2 ~ reg) {
    ldrpe++
    ---nxtc()
    +
    +
10  $1 == "add" {
    if ($2 == $3 || $2 == ($3 ",") || $2 == ($4 ",")) {
    if ($4 ~ /[^0-9]/) {
    addi++
    # addia[$4]++
    if ($3 ~ reg) {
    if ($4 >= -32 && $4 < 0) {
    subi32++
    ---nxtc()
    +
20  if ($4 >= 0 && $4 < 32) {
    addi32++
    ---nxtc()
    +
25  +
    if ($2 ~ reg && $3 ~ reg && $4 ~ reg) {
    addaab++
    ---nxtc()
    +
30  if ($2 ~ reg && $3 ~ reg && $4 ~ reg) {
    addrrh++
    ---nxtc()
    +
    if ($2 ~ reg && $3 ~ regh && $4 ~ reg) {
    addrrh++
    ---nxtc()
    +
35  +
    if ($4 ~ /[^0-9]/) {
    if ($2 ~ reg) {
    if ($3 ~ reg) {
    if ($4 >= -8 && $4 < 0) {
    subabi8++
    ---nxtc()
    +
40  if ($4 >= 1 && $4 <= 8) {
    addabi8++
    ---nxtc()
    +
45  +
    if ($3 ~ "%fp") {
    if ($4 >= -32 && $4 < 0) {
    addfpi32++
    ---nxtc()
    +
50  +
    if ($3 ~ /%r([12][0-9])/ && $4 >= -512 && $4 < 512) {
    addrpe++
    ---nxtc()
    +
55  +
    if ($2 ~ reg && $3 ~ reg && $4 ~ reg) {
    addrrr++
    ---nxtc()
    +
60  +
    +
65  +
    if ($2 ~ reg && $3 ~ reg && $4 ~ reg) {
    addrrr++
    ---nxtc()
    +
```

Application No. : 09/808,469
Filed : March 14, 2001

```
+  
$1 == "sub" {  
    if ($4 ~ /[^0-9]/) {  
        subi++  
        if ($2 == $3) {  
            # subia[$4]++  
            if ($3 ~ reg) {  
                if ($4 >= -32 && $4 < 0) {  
                    addi32++  
                    nxte()  
                }  
                if ($4 >= 0 && $4 < 32) {  
                    subi32++  
                    nxte()  
                }  
            }  
            +  
            +  
            if ($2 ~ reg) {  
                if ($3 ~ reg) {  
                    if ($4 >= -8 && $4 < 0) {  
                        addabi8++  
                        nxte()  
                    }  
                    if ($4 >= -1 && $4 < 8) {  
                        subabi8++  
                        nxte()  
                    }  
                    +  
                    +  
                    +  
                    nxte()  
                }  
                +  
                if ($2 == $3 && $2 == ($4 ",,")) {  
                    if ($2 ~ reg && $3 ~ reg && $4 ~ reg) {  
                        subaaa++  
                        nxte()  
                    }  
                    +  
                    if ($2 ~ regh && $3 ~ regh && $4 ~ regh) {  
                        subhhh++  
                        nxte()  
                    }  
                    +  
                    if ($2 ~ reg) {  
                        subr++  
                        if ($2 == $3) {  
                            if ($2 ~ reg && $3 ~ reg && $4 ~ reg) {  
                                subaab++  
                                nxte()  
                            }  
                            +  
                            if ($2 ~ reg && $3 ~ reg && $4 ~ regh) {  
                                subrrh++  
                                nxte()  
                            }  
                            +  
                            if ($2 ~ reg && $3 ~ regh && $4 ~ reg) {  
                                subrrh++  
                                nxte()  
                            }  
                            +  
                            if ($3 ~ reg && $4 ~ reg) {  
                                subrrr++  
                                nxte()  
                            }  
                            +  
                            nxte()  
                        }  
                        +  
                        $1 == "sub.f" {  
                            if ($2 == "0,") {  
                                if ($3 ~ reg && $4 ~ reg) {  

```

Application No. : 09/808,469
Filed : March 14, 2001

```
____ cmpri++
____ nxtc()
____
5   if ($4 ~ /[^0-9]/) {
____   cmpi++
#  cmpia[$4]++
____   if ($3 ~ reg) {
____   if ($4 >= 0 && $4 < 64) {
____   cmpi64++
10  nxtc()
____
____   if (pete) {
____   if ($3 ~ reg01 && $4 >= 0 && $4 < 128) {
____   cmpi64p++
15  nxtc()
____
____   if ($3 ~ reg23 && $4 >= 0 && $4 < 64) {
____   cmpi64p++
____   nxtc()
20  }
____   if ($3 ~ reg1316 && $4 >= 0 && $4 < 32) {
____   cmpi64p++
____   nxtc()
____ }
25  }
____
____   nxt()
____
30  if ($3 ~ reg) {
____   if ($4 ~ regh) {
____   cmprh++
____   nxtc()
____
____   if ($3 ~ regh) {
____   if ($4 ~ reg) {
____   cmphr++
____   nxtc()
____ }
40  }
____
____   nxt()
____
45  $1 == "sub.ne" {
____   if ($2 == $3 && $2 == ($4 ",,")) {
____   if ($4 ~ reg && $2 ~ reg && $3 ~ reg) {
____   subneaaaa++
____   nxtc()
____
50  }
____   nxt()
____
55  $1 == "sub.eq" {
____   if ($2 == $3 && $2 == ($4 ",,")) {
____   if ($4 ~ reg && $2 ~ reg && $3 ~ reg) {
____   subeqaaaa++
____   nxtc()
____
60  }
____   nxt()
____
65  $1 == "asl" {
____   if ($4 ~ /[^0-9]/) {
____   asli++
____   if ($2 == $3) {
#  aslia[$4]++
____   if ($3 ~ reg) {
```

Application No. : 09/808,469
Filed : March 14, 2001

```
5      if ($4 >= 1 && $4 <= 8) {  
      asli8++  
      }  
      if ($4 >= 1 && $4 < 32) {  
5      asli32++  
      }  
      nxte()  
      }  
      if ($2 ~ reg) {  
10     if ($3 ~ reg && $4 >= 2 && $4 < 3) {  
         aslab2++  
         nxte()  
         }  
15     }  
     nxte()  
     }  
     if ($4 ~ reg && $2 ~ reg && $3 ~ reg) {  
20     aslaab++  
     nxte()  
     }  
     if ($2 ~ reg && $3 ~ reg && $4 !~ reg) {  
25     aslab1++  
     nxte()  
     }  
     }  
     $1 == "asr" {  
30     if ($4 ~ /[^0-9]/) {  
         asri++  
         if ($2 == $3) {  
#          asria[$4]++  
          if ($3 ~ reg) {  
            if ($4 >= 1 && $4 <= 8) {  
35          asri8++  
          }  
          if ($4 >= 1 && $4 < 32) {  
            asri32++  
          }  
          }  
          nxte()  
        }  
40     }  
     if ($2 ~ reg) {  
       if ($3 ~ reg && $4 >= 2 && $4 < 3) {  
45       asrab2++  
       nxte()  
     }  
     }  
     nxte()  
     }  
     if ($4 ~ reg && $2 ~ reg && $3 ~ reg) {  
50     asraab++  
     nxte()  
     }  
     if ($2 ~ reg && $3 ~ reg && $4 !~ reg) {  
55     asrab1++  
     nxte()  
     }  
     }  
     $1 == "lsr" {  
60     if ($4 ~ /[^0-9]/) {  
         lsri++  
         if ($2 == $3) {  
#          lsria[$4]++  
          if ($3 ~ reg) {  
            if ($4 >= 1 && $4 <= 8) {  
65          lsri8++  
          }  
          }  
        }  
      }  
    }
```

Application No. : 09/808,469
Filed : March 14, 2001

```

5      if ($4 >= 1 && $4 < 32) +
6      lsri32++
7      +
8      nxte()
9      +
10     if ($2 ~ reg) +
11     if ($3 ~ reg && $4 >= 2 && $4 < 3) +
12     lsrab2++
13     nxte()
14     +
15     +
16     if ($4 ~ reg && $2 ~ reg && $3 ~ reg) +
17     lsraab++
18     nxte()
19     +
20     if ($2 ~ reg && $3 ~ reg && $4 != reg) +
21     lsrab1++
22     nxte()
23     +
24     +
25     $1 == "mul64" +
26     if ($2 == "0,") +
27     if ($4 ~ /[^?0-9]/) +
28     muli++
29     # mulia[$4]++
30     if ($3 ~ reg) +
31     if ($4 >= 0 && $4 < 32) +
32     muli32++
33     nxte()
34     +
35     +
36     if ($3 ~ reg && $4 ~ reg) +
37     mul0ab++
38     nxte()
39     +
40     +
41     nxte()
42     +
43     $1 == "and.f" +
44     if ($2 == "0,") +
45     if ($4 ~ /[^?0-9]/) +
46     andfi++
47     # andfia[$4]++
48     if ($3 ~ reg) +
49     if ($4 >= 0 && $4 < 32) +
50     andfi32++
51     nxte()
52     +
53     +
54     if ($3 ~ reg && $4 ~ reg) +
55     andfab++
56     nxte()
57     +
58     +
59     nxte()
60     +
61     $1 == "and" +
62     if ($2 == $3 || $2 == ($3 ",") || $2 == ($4 ","))
63     if ($4 ~ /[^?0-9]/) +
64     andi++
65     # andia[$4]++
66     if ($3 ~ reg) +

```

Application No. : 09/808,469
Filed : March 14, 2001

```
5      if ($4 >= 0 && $4 < 32) {  
6          andi32++  
7          nxte()  
8      }  
9      if ($2 ~ reg && $3 ~ reg && $4 ~ reg) {  
10         andaabb++  
11         nxte()  
12     }  
13     if ($2 ~ reg && $3 ~ reg && $4 ~ reg) {  
14         andrrrr++  
15         nxte()  
16     }  
17     if ($1 == "extb" {  
18         if ($2 == ($3 ",,")) {  
19             if ($2 ~ reg && $3 ~ reg) {  
20                 extbr++  
21                 nxte()  
22             }  
23         }  
24         nxte()  
25     }  
26     if ($1 == "extw" {  
27         if ($2 == ($3 ",,")) {  
28             if ($2 ~ reg && $3 ~ reg) {  
29                 extwr++  
30                 nxte()  
31             }  
32         }  
33         nxte()  
34     }  
35     if ($1 == "sexb" {  
36         if ($2 == ($3 ",,")) {  
37             if ($2 ~ reg && $3 ~ reg) {  
38                 sexbr++  
39                 nxte()  
40             }  
41         }  
42         nxte()  
43     }  
44     if ($1 == "sexw" {  
45         if ($2 == ($3 ",,")) {  
46             if ($2 ~ reg && $3 ~ reg) {  
47                 sexwr++  
48                 nxte()  
49             }  
50         }  
51         nxte()  
52     }  
53     if ($2 == $3 || $2 == ($3 ",,") || $2 == ($4 ",,")) {  
54         if ($1 == "add" || $1 == "sub" || $1 == "and" || $1 == "or" || $1 == "xor" || $1 ==  
55         "asl" || $1 == "asr" || $1 == "lsr") {  
56             if ($2 ~ reg) {  
57                 if ($2 == $3) {  
58                     if ($4 ~ reg) {  
59                         opaab[$1]++  
60                         nxte()  
61                     }  
62                 }  
63             }  
64         }  
65     }  
66     nxte()  
67 }
```

Application No. : 09/808,469
Filed : March 14, 2001

```
+
+
+
5 +
+nxt()
#print $0
+
10 END {
if (1) {
    OFS = "\t"
    # print "\nopaab"
    for (i in opaab) {
        if (i == "add" || i == "sub" || i == "and" || i == "or" || i == "xor" || i == "asl"
        || i == "asr" || i == "lsl") {
            print i, opaab[i], int(opaab[i]*1000/NR)/10
        }
    }
    # print "\nldfpa"
    # for (i in ldfpa) print i, ldfpa[i]
    # print "\nstfpa"
    # for (i in stfpa) print i, stfpa[i]
    # print "\nldr0a"
    # for (i in ldr0a) print i, ldr0a[i]
    # print "\nmovia"
    # for (i in movia) print i, movia[i]
    # print "\naddia"
    # for (i in addia) print i, addia[i]
30    # print "\nsubia"
    # for (i in subia) print i, subia[i]
    # print "\ncmpia"
    # for (i in cmpia) print i, cmpia[i]
35    for (i in calls) {
        # print i, calls[i]
        if (calls[i] > 1) {
            calls2 += (calls[i]-2)
        }
    }
    callsall += calls[i]
    #
    # print "callsall", callsall, int(callsall*1000/NR)/10
    # print "calls2", calls2, int(calls2*1000/NR)/10
40
45    # bl = calls2
    bl = bl - push
    b = b - pop
    print "bl", bl, int(bl*1000/NR)/10
    # print "push", push, int(push*1000/NR)/10
50
55    print "b", b, int(b*1000/NR)/10
    # print "pop", pop, int(pop*1000/NR)/10
    print "beq", beq, int(beq*1000/NR)/10
    print "bgt", bgt, int(bgt*1000/NR)/10
    print "bhi", bhi, int(bhi*1000/NR)/10
    print "bpl", bpl, int(bpl*1000/NR)/10
60
65    print "stblink", stblink, int(stblink*1000/NR)/10
    print "jblink", jblink, int(jblink*1000/NR)/10
    print "jr", jr, int(jr*1000/NR)/10
    print "jlr", jlr, int(jlr*1000/NR)/10
    print "movr", movr, int(movr*1000/NR)/10
    print "movf0r", movf0r, int(movf0r*1000/NR)/10
    print "movf0h", movf0h, int(movf0h*1000/NR)/10
    print "movrh", movrh, int(movrh*1000/NR)/10
    print "movhr", movhr, int(movhr*1000/NR)/10
```

Application No. : 09/808,469
Filed : March 14, 2001

```
5      print "emprh", emprh, int(emprh*1000/NR)/10
      print "emphr", emphr, int(emphr*1000/NR)/10
      print "empr", empr, int(empr*1000/NR)/10
10     print "empi64", empi64, int(empi64*1000/NR)/10
      print "empi64p", empi64p, int(empi64p*1000/NR)/10
      print "movi64", movi64, int(movi64*1000/NR)/10
      print "movi64p", movi64p, int(movi64p*1000/NR)/10
15     print "addi32", addi32, int(addi32*1000/NR)/10
      print "subi32", subi32, int(subi32*1000/NR)/10
20     print "addabi8", addabi8, int(addabi8*1000/NR)/10
      print "subabi8", subabi8, int(subabi8*1000/NR)/10
      print "subneaaa", subneaaa, int(subneaaa*1000/NR)/10
      print "subeqaaa", subeqaaa, int(subeqaaa*1000/NR)/10
25     print "subhhh", subhhh, int(subhhh*1000/NR)/10
      print "subaaa", subaaa, int(subaaa*1000/NR)/10
      print "subaab", subaab, int(subaab*1000/NR)/10
      print "subrrr", subrrr, int(subrrr*1000/NR)/10
      print "addaab", addaab, int(addaab *1000/NR)/10
25     print "addr", addr, int(addr*1000/NR)/10
      print "addrh", addrh, int(addrh *1000/NR)/10
30     print "asli8", asli8, int(asli8*1000/NR)/10
#      print "asli32", asli32, int(asli32*1000/NR)/10
      print "aslalb1", aslab1, int(aslab1*1000/NR)/10
      print "aslalb2", aslab2, int(aslab2*1000/NR)/10
      print "aslaab", aslaab, int(aslaab*1000/NR)/10
35     print "asri8", asri8, int(asri8*1000/NR)/10
#      print "asri32", asri32, int(asri32*1000/NR)/10
      print "asrab1", asrab1, int(asrab1*1000/NR)/10
      print "asrab2", asrab2, int(asrab2*1000/NR)/10
      print "asraab", asraab, int(asraab*1000/NR)/10
40     print "lsri8", lcri8, int(lcri8*1000/NR)/10
#      print "lsri32", lcri32, int(lcri32*1000/NR)/10
      print "lsrab1", lsrab1, int(lsrab1*1000/NR)/10
      print "lsrab2", lsrab2, int(lsrab2*1000/NR)/10
      print "lsraab", lsraab, int(lsraab*1000/NR)/10
45     print "andi32", andi32, int(andi32*1000/NR)/10
      print "andfi32", andfi32, int(andfi32*1000/NR)/10
      print "andaab", andaab, int(andaab *1000/NR)/10
      print "andfab", andfab, int(andfab *1000/NR)/10
50     print "mul0ab", mul0ab, int(mul0ab *1000/NR)/10
      print "muli32", muli32, int(muli32 *1000/NR)/10
      print "ldabe", ldabe, int(ldabe *1000/NR)/10
55     print "ldbabe", ldbabe, int(ldbabe *1000/NR)/10
      print "ldwabe", ldwabe, int(ldwabe *1000/NR)/10
      print "ldr64", ldr64, int(ldr64 *1000/NR)/10
      print "ldr64p", ldr64p, int(ldr64p *1000/NR)/10
      print "ldwr32", ldwr32, int(ldwr32 *1000/NR)/10
60     print "ldbri16", ldbri16, int(ldbri16 *1000/NR)/10
      print "str64", str64, int(str64 *1000/NR)/10
      print "stbr8", stbr8, int(stbr8 *1000/NR)/10
      print "stwrl16", stwrl16, int(stwrl16 *1000/NR)/10
65     print "ldrpe", ldrpe, int(ldrpe *1000/NR)/10
      print "addrpe", addrpe, int(addrpe *1000/NR)/10
```

Application No. : 09/808,469
Filed : March 14, 2001

```
print "ldfp32", ldfp32, int(ldfp32*1000/NR)/10
print "stfp32", stfp32, int(stfp32*1000/NR)/10
print "addfpi32", addfpi32, int(addfpi32*1000/NR)/10

5 print "ldgp", ldgp, int(ldgp*1000/NR)/10
print "stgp", stgp, int(stgp*1000/NR)/10

print "extbr", extbr, int(extbr*1000/NR)/10
print "extwr", extwr, int(extwr*1000/NR)/10
10 print "sexbr", sexbr, int(sexbr*1000/NR)/10
print "sexwr", sexwr, int(sexwr*1000/NR)/10

# print "movi", movi, "movi64", movi64, "movi128", movi128
# print "addi", addi, "addi32", addi32, "addi64", addi64, "addi128", addi128
15 # print "subi", subi, "subi32", subi32, "subi64", subi64, "subi128", subi128
+
+
#function p(a, b) {
# print "a", b, int(b*100/NR)
20 #
#}

#/(j|jl|bl|bl)(ge|gt|le|lt|ne|eq|pl|mi|hi|hs|le|ls)?\.\d/ {
25 # stored = $0
# sub(/\.d/, "", stored)
# getline
# print $0
# print stored
# nxte()
#
30 #
#{ print $0 }
```